

To: Patricia Hick/R2/USEPA/US@EPA[]
From: "Kirk Barrett"
Sent: Wed 5/12/2010 6:30:04 PM
Subject: Complete agenda for the 4th Passaic River Symposium, June 22nd, Montclair State University
[mime.htm](#)
[Montclair State University Conference Center](#)
www.csam.montclair.edu/pri/conferences
[Hotspot](#)
[Symposium web site](#)
[Hotspot](#)
[Symposium web site](#)
www.montclair.edu/conferencecenter
kirk.barrett@montclair.edu
[Symposium web site](#)

FOURTH PASSAIC RIVER SYMPOSIUM

Organized by the Passaic River Institute of Montclair State University

Tuesday, June 22, 2010, Montclair State University Conference Center, 1 Normal Ave., Montclair, NJ

Symposium web site: www.csam.montclair.edu/pri/conferences

We are pleased to announce the agenda for the biennial Passaic River Symposium is complete - see below or download from the Symposium web site. A wide spectrum of topics and viewpoints will be presented. The Honorable Bill Pascrell, Jr. US Congressman, NJ 8th District, Ms. Judith Enck, Region 2 Administrator, US Environmental Protection Agency, Colonel John R. Boulé II, Commander, US Army Corps of Engineers, NY District and Mr. Bob Martin, Commissioner, NJ Department of Environmental Protection are all confirmed to speak.

The "Lower Passaic River Restoration Project" will be prominently featured in the Symposium, including the "Phase 1" sediment removal by the Diamond Alkali site and the "Focused Feasibility Study" addressing the lower 8 miles. Additional projects and issues throughout the Passaic Basin will also be examined. The three previous symposia (see archived materials at the web site) attracted nearly 300 participants each - this fourth symposium promises to be equally attended.

REGISTRATION. On-line registration and mail-in registration forms are now available through the Symposium web site. Registration fees (includes continental breakfast, lunch and book of abstracts): Professional: Regular (by May 21) \$95, Late \$125; Student: Regular \$40, Late \$60. Pay by credit card, check, PO or voucher. Mail registrations must be postmarked by June 7th. On-line registrations will be accepted until June 15th, as long as space is available. On-site registration the day of the meeting is discouraged; space may not be available and an additional \$50 fee will be assessed.

CONFERENCE LOCATION. The Symposium will be held at the Conference Center at Montclair State University on the 7th floor of the University Hall. It's a first-class conference center with a spectacular panoramic view of the Manhattan skyline. See www.montclair.edu/conferencecenter for directions.

LODGING. See the web site for a list of area hotels at which discounted rooms have been arranged.

FOR MORE INFORMATION. Contact Dr. Kirk R. Barrett, PE, PWS, Symposim Chair and Director of the Passaic River Institute, kirk.barrett@montclair.edu, 973-655-7117.

If table formatting is not viewable, go to the Symposium web site for a PDF version.

AGENDA, FOURTH PASSAIC RIVER SYMPOSIUM

Montclair, NJ June 22, 2010, University Hall Conference Center, Montclair State University,

Organized by the Passaic River Institute of Montclair State University

8:00 AM

Registration and Continental Breakfast

8:30 AM

Opening Remarks

- Dr. Kirk Barrett, Director, Passaic River Institute, Montclair State University

- Dr. Susan A. Cole, President, Montclair State University

- The Honorable Bill Pascrell, Jr., US Congressman, NJ 8th District

Agency

- Ms. Judith Enck, Region 2 Administrator, US Environmental Protection

District

- Colonel John R. Boulé II, Commander, US Army Corps of Engineers, NY

- Mr. Bob Martin, Commissioner, NJ Department of Environmental Protection

SESSION 1

Perspectives from Partner Agencies and the Lower Passaic Cooperating Parties

10:00 AM

Overview of Partner Agency Efforts to Clean Up the Lower Passaic River and

Focused Feasibility Study for Passaic River Sediments: Finalizing the Alternatives for the Lower 8 Miles.
Alice Yeh, U.S. Environmental Protection Agency

10:15 AM

Restoration planning for the Lower Passaic River. Lisa Baron, U.S. Army Corps
of Engineers

10:30 AM

Federal Trustees' Natural Resource Damage Assessment and Restoration
Activities Update. Timothy Kubiak, U.S. Fish & Wildlife Service

10:45 AM

Lower Passaic River Study Area RI/FS Update. William Hyatt, K&L Gates, LLP

11:00 AM

BREAK -- COFFEE, EXHIBITS AND POSTERS ON THE 7TH FLOOR

Track A
University Hall
Seventh Floor
Conference Center

Track B
University Hall
First Floor,
Room 1070

Track C
University Hall
First Floor,
Room 1050

SESSION 2

Lower Passaic
"Phase 1 Removal Action" and Community Perspectives
Lower Passaic
Sediment Geochemistry
Water quality

11:30 AM

The Passaic River Community Advisory Group and Its Role in the Passaic River Removal Action.
Carol Johnston, Ironbound Community Corporation, and Tom Pietrykoski , Lower Passaic Watershed
Alliance

An Update to EPA's Conceptual Site Model for the Lower Passaic River: An Examination of the
Most Recent Results. Edward Garvey, Louis Berger

Water use regimes, land use regimes, and spatial data analysis for better watershed
management. Benjamin Witherell, Montclair State University

11:45 AM

Update on the Removal Action Through Potentially Responsible Party Initiative. Bob Romagnoli,
Arcadis

Historical Trends of Energy Use, Energy Sources and Hydrocarbon Pollution along the Passaic
River and Newark Bay, 1660-present. Steven Marshall, Steven Marshall

Using radionuclides to identify source of excess fine-grained sediments in urban and rural New
Jersey river channels. Joshua Galster, Montclair State, Passaic River Institute

12:00 PM

The Economic and Social Values of a Cleaner Lower Passaic River. Ella Filippone, Passaic River Coalition
Sources of Contaminants of Concern to the Newark Bay Estuary. Dennis Farley, The Intelligence Group
Tackling NJ's 1st TMDL: a 10-year case study in the Whippany watershed. Pat Rector, Rutgers University

12:15 PM

The Riverfront Newark Wants: Progress Report 2008-2010. Damon Rich, City of Newark
Organic Contaminants in Sediments from the Lower Passaic River. Michael Kruge, Passaic River Institute, Montclair State University
Nutrient Cycling and the Assimilative Capacity of an Exurban Stream - Belcher Creek, Passaic County, NJ. Richard Pardi, William Paterson Univ.

12:30 PM

LUNCH, POSTERS AND EXHIBITS ON 7TH FLOOR

Including Book Signings by Local Authors
Dr. Judith Weis of Rutgers-Newark, author of "Salt Marshes: A Natural and Unnatural History" (with a focus on the Hackensack Meadowlands), and
Mr. Kevin Olsen of Montclair State, author of "A Great Conveniency: a Maritime History of the Passaic River, Hackensack River, and Newark Bay"

1:15 PM

Selected Readings from the forthcoming book "This American River: From Paradise to Superfund, Afloat on New Jersey's Passaic" by Author Mary Bruno, in the Conference Room adjacent to the Conference Center

SESSION 3

Lower Passaic
Human and Ecological Health
Lower Passaic
Sediment Dynamics
Water quality

1:45 PM

Historical and Current Ecological Conditions of the Lower Passaic River. Mike Johns, Windward Environmental
Historical bathymetric changes in the Lower Passaic River. William Hansen, Worcester State College
Water Supply Protection through Continuous Stream Monitors. Paul Schorr, NJDEP

2:00 PM

Altered Gonadal Development in Newark Bay Organisms. Keith Cooper, Rutgers University
Understanding of Sediment Transport in the Lower Passaic River. Craig Jones, SEA Engineering
Continuous Water Quality Monitoring of the Hackensack River. Joseph Grzyb, Meadowlands Environmental Research Institute

2:15 PM

Application of Behavioral Simulation Modeling to Evaluate Anglers' Fish Consumption. Jason Kinnell, Veritas Economic Consulting
Effects of morphological change in the Passaic River/ Newark Bay system on circulation and sediment transport processes. Robert Chant, Rutgers University
Pathogen Sources and FC-EC relations in the Lower Passaic River. David Vaccari, Stevens Institute of Technology

2:30 PM

Human Health Risk Assessment for Consumption of Fish from the Lower Passaic River. Mark Harris, ToxStrategies, Inc.

Rebuttal, USEPA/NJDEP

Morphology, Modeling and Bathymetry: Application of Physical indicators to Evaluate Sediment Stability in the Lower Passaic River. Han Winterwerp, Moffatt & Nichol

NYHOPS v3 OFS: New hydrodynamic and water quality forecasts include the Passaic River. Nickitas Georgas, Stevens Institute of Technology

2:45 PM

BREAK -- COFFEE ON THE 7TH FLOOR

SESSION 4

Restoration and Remediation

Lower Passaic

Sediment Dynamics

Water quality, Stormwater Management and Flood Mitigation

3:15 PM

Incentive Based Environmental Restoration and Planning, Shifting the Paradigm. Stephen Davis, Matrix New World Engineering, Inc.

Sediment Stability in the Lower Passaic River - Integration of Multiple Lines of Evidence.

Michael Barbara, mab.consulting LLC

Improving River Water Quality by CSO Disinfection. John Meakim, Engineers Plus

3:30 PM

Urban River Restoration. Terry Doss, Biohabitats

Hydraulic Modeling for Preliminary Evaluation of Potential Flooding Impacts for Various Dredging, Capping and Armoring Scenarios. Abdulai Fofanah, The Louis Berger Group, Inc.

Long-Term Operation of Stormwater Infiltration Best Management Practices. Clay Emerson, Princeton Hydro LLC

Water Supply
in the non-tidal
Passaic Basin

3:45 PM

Topsoil from Contaminated Sediment from the Lower Passaic River, BioGenesis Sediment Washing Technology. John Sontag, BioGenesis Enterprises, Inc.

The New Jersey Geological Survey and the Creation of Water Supply Reservoirs in the Upper Passaic Basin. Kevin Olsen, Montclair State, Passaic River Institute

The Edison Environmental Center permeable pavement site: initial results from a stormwater control designed for monitoring. Thomas O'Connor, U. S. EPA, ORD, UWMB

4:00 PM

Utilization of Barrier and Treatment Designs to Address Irregular Shoreline Surfaces and Control of Contaminant Migration. Collins, AquaBlok, Ltd.

Highlands Water Availability in the Passaic Basin. Daniel Van Abs, NJ Highlands Council

Passaic River Flood Mitigation Non-Structural Solutions. Hormoz Pazwash, Boswell Engineering

4:15 PM

RECEPTION, POSTERS AND EXHIBITS ON

7th FLOOR

POSTERS

A Systems Dynamics Approach to Test the Proposed LEED for Neighbor Development Rating Systems as a Holistic and Sustainable Redevelopment Option for the Lower Passaic River Watershed Area. Amy Ferdinand, Montclair State University

Iron Oxide Coated Multiwall Carbon Nanotubes for the Removal of Arsenic from Water. Susana Addo Ntim, New Jersey Institute of Technology

Carbon Nanotubes Immobilized Membrane for Enhanced Analytical Separation. Ornthida Sae-Khow, New Jersey Institute of Technology

An Integrated Plan for Open Space, Recreation and BMPs along the Passaic River in Paterson: A Circuit Greenbelt. Marcia Anderson, Montclair State University

Water Education for Teachers using Project WET. Ray Nichols, NJDEP-DWM

Water Supply and Power in 1894. Schorr, NJDEP

Lower Passaic River Commercial Navigation Analysis Update. Tricia Aspinwall, US Army Corps of Engineers - New York

Carbon Nanotubes as the Sorbent for Integrating μ -Solid Phase Extraction within the Needle of a Syringe. Madhuleena Bhadra, New Jersey Institute of Technology

Assessing stream restoration efforts in northern New Jersey. Joshua Galster, Montclair State University, Passaic River Institute

The impact of Japanese knotweed on stream baseflow. Joshua Galster, Montclair State University, Passaic River Institute

Application of GIS to assess land use change to urban use in Passaic River Basin: A watershed approach to counter climate change. Faith Justus, Montclair State University

Soil Composition and Transfer of Metals on Nutritional Quality of Vegetables Grown in Urban Community Gardens. Khadija Latif, Montclair State University

Reducing Contaminated Groundwater Flow to Rivers: Evaluation of Alternative Active Cap Designs. Joanna Moreno, Adventus Group

The Effects of Distance and Selective Enrichment on Alkane Monooxygenase Gene Diversity in Passaic River Sediment. Elyse Rodgers-Vieira, Rutgers University

PCB Mass Loading Project: Identifying Non-point Source PCB Contribution to the Surface Waters of the Christina River Basin. John-Paul Rossi, BrightFields, Inc

A Unique Private/Public Wetland Mitigation Bank Partnership in the Hackensack Meadowlands of New

Jersey. Margaret McBrien , The Louis Berger Group, Inc.,

Design of Infiltration Stormwater Facilities by Limit Equilibrium Analysis of Hydraulic Conductivity and Geometry. Keith Merl, Princeton Hydro, LLC

Molluscan Community and Population Structure in an Urban Pond in the Lower Passaic River Watershed, New Jersey. Robert Prezant, Montclair State University, Passaic River Institute

Standards for the Construction and Development Point Source Category Final Rule - How Does this Affect the Passaic River Watershed, and When? Keith Merl, Princeton Hydro, LLC